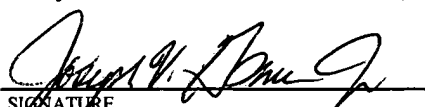
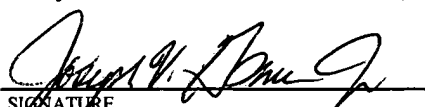
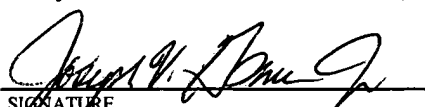


FORM PTO-1390 (REV. 10-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 860-011850-US(PAR)/20020565
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/500981
INTERNATIONAL APPLICATION NO. PCT/EP02/007198	INTERNATIONAL FILING DATE 29 June 2002	PRIORITY DATE CLAIMED	
TITLE OF INVENTION POLARIZATION DIVERSITY DETECTION USING A POLARIZATION MULTIPLEXED LOCAL OSCILLATOR			
APPLICANT(S) FOR DO/EO/US Harald ROSENFELDT			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 			
Items 11 to 20 below concern document(s) or information included:			
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Publication WO 2004/003502 A1 Check for Payment of Fees & Return Postcard 			

U.S. APPLICATION NO. of (new) (see 37 CFR 1.53) 10/500981				INTERNATIONAL APPLICATION NO. PCT/EP02/007198		ATTORNEY'S DOCKET NUMBER 860-011850-US(PAR)/20020565																																																																																																																																																																				
21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. \$1080.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$920.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$770.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =						CALCULATIONS PTO USE ONLY																																																																																																																																																																				
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).						\$ 920.00																																																																																																																																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 15%;">RATE</th> <th style="width: 10%;">\$</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>24 - 20 =</td> <td>4</td> <td>x \$18.00</td> <td>\$ 72.00</td> <td></td> <td></td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td></td> <td>x \$86.00</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$290.00</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ 920.00</td> <td></td> <td></td> </tr> <tr> <td colspan="4"> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. </td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL =</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td colspan="4"> Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). </td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL NATIONAL FEE =</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td colspan="4"> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + </td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL FEES ENCLOSED =</td> <td>\$ 992.00</td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="padding: 5px;"></td> <td style="padding: 5px;"> Amount to be refunded: </td> <td style="padding: 5px;">\$</td> </tr> <tr> <td colspan="6" style="padding: 5px;"></td> <td style="padding: 5px;"> charged: </td> <td style="padding: 5px;">\$</td> </tr> <tr> <td colspan="8" style="padding: 5px;"> a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>992.00</u> to cover the above fees is enclosed. </td> </tr> <tr> <td colspan="8" style="padding: 5px;"> b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="8" style="padding: 5px;"> c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>16-1350</u>. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="8" style="padding: 5px;"> d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> <tr> <td colspan="8" style="padding: 5px;"> NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status. </td> </tr> <tr> <td colspan="8" style="padding: 5px;"> SEND ALL CORRESPONDENCE TO: Joseph V. Gamberdell, Jr. PERMAN & GREEN, LLP 425 Post Road Fairfield, CT 06824 (203) 259-1800 Customer No.: 2512 </td> </tr> <tr> <td colspan="6" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;">  SIGNATURE </td> </tr> <tr> <td colspan="6" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;"> Joseph V. Gamberdell, Jr. NAME </td> </tr> <tr> <td colspan="6" style="padding: 5px;"></td> <td colspan="2" style="padding: 5px;"> 44,695 REGISTRATION NUMBER </td> </tr> </tbody></table>						CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$			Total claims	24 - 20 =	4	x \$18.00	\$ 72.00			Independent claims	2 - 3 =		x \$86.00	\$			MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$290.00	\$		TOTAL OF ABOVE CALCULATIONS =				\$ 920.00			<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$			SUBTOTAL =				\$			Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$			TOTAL NATIONAL FEE =				\$			Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$			TOTAL FEES ENCLOSED =				\$ 992.00									Amount to be refunded:	\$							charged:	\$	a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>992.00</u> to cover the above fees is enclosed.								b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.								c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>16-1350</u> . A duplicate copy of this sheet is enclosed.								d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.								SEND ALL CORRESPONDENCE TO: Joseph V. Gamberdell, Jr. PERMAN & GREEN, LLP 425 Post Road Fairfield, CT 06824 (203) 259-1800 Customer No.: 2512														 SIGNATURE								Joseph V. Gamberdell, Jr. NAME								44,695 REGISTRATION NUMBER	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$																																																																																																																																																																						
Total claims	24 - 20 =	4	x \$18.00	\$ 72.00																																																																																																																																																																						
Independent claims	2 - 3 =		x \$86.00	\$																																																																																																																																																																						
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$290.00	\$																																																																																																																																																																					
TOTAL OF ABOVE CALCULATIONS =				\$ 920.00																																																																																																																																																																						
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$																																																																																																																																																																						
SUBTOTAL =				\$																																																																																																																																																																						
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$																																																																																																																																																																						
TOTAL NATIONAL FEE =				\$																																																																																																																																																																						
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$																																																																																																																																																																						
TOTAL FEES ENCLOSED =				\$ 992.00																																																																																																																																																																						
						Amount to be refunded:	\$																																																																																																																																																																			
						charged:	\$																																																																																																																																																																			
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>992.00</u> to cover the above fees is enclosed.																																																																																																																																																																										
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.																																																																																																																																																																										
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>16-1350</u> . A duplicate copy of this sheet is enclosed.																																																																																																																																																																										
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																																																																																																																																																										
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.																																																																																																																																																																										
SEND ALL CORRESPONDENCE TO: Joseph V. Gamberdell, Jr. PERMAN & GREEN, LLP 425 Post Road Fairfield, CT 06824 (203) 259-1800 Customer No.: 2512																																																																																																																																																																										
						 SIGNATURE																																																																																																																																																																				
						Joseph V. Gamberdell, Jr. NAME																																																																																																																																																																				
						44,695 REGISTRATION NUMBER																																																																																																																																																																				

IN THE UNITED STATES ELECTED OFFICE (EO/US)

DT15 Rec'd PCT/PTO 02 JUL 2004

REGARDING THE INTERNATIONAL
APPLICATION OF:
PCT/EP02/007198

DOCKET OR REFERENCE NUMBER:

860-011850-US(PAR)/20020565

ENTITLED:

POLARIZATION DIVERSITY DETECTION USING A POLARIZATION
MULTIPLEXED LOCAL OSCILLATOR

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

MAIL STOP PCT

INTERNATIONAL STAGE EXPRESS MAIL CERTIFICATE

"Express Mail" label number: EV 327693992 US

Date of Deposit:

I hereby certify that the following attached papers and/or fee

Transmittal Letter to the United States Designated/Elected Office DO/EO/US
Front Page of WO Publication No. WO 2004/003502 A1
Check for \$992.00
Self-addressed stamped return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Debra Conrad

(Typed or printed name of person mailing paper or fee)

Debra Conrad

(Signature of person mailing paper or fee)

Each paper letter or communication relating to an international application during the international stage for which a date of filing is to be obtained as of the date of mailing must have its own certificate and the "Express Mail" label number as a part thereof or attached thereto. When, as here, the certification is presented on a separate sheet, that sheet must (1) be signed and (2) fully identify and be securely attached to the paper or fee it accompanies. Identification should include the serial number and filing date of the application as well as the type of paper being filed, e.g. complete application, specification and drawings, responses to rejection or refusal, notice of appeal, etc. If the serial number of the application is not known, the identification should include at least the name of the inventor (s) and the title of the invention.

The label number need not be placed on each page. It should, however, be placed on the first page of each separate document, such as, a new application, amendment, assignment, and transmittal letter or a fee, along with the certificate of mailing by "Express Mail". Although the label number may be on checks, such a practice is not required. In order not to deface formal drawings it is suggested that the label number be placed on the back of each formal drawing or the drawings be accompanied by a set of informal drawings on which the label number is placed.

Customer No.: 2512